

Meteorology and Atmospheric Physics

Vol. 45, 1991

Springer-Verlag Wien New York

Meteorology and Atmospheric Physics

formerly
Archives for Meteorology, Geophysics, and Bioclimatology, Series A

Honorary and Founding Editor: F. Steinhauser, Wien

Managing Editor: E. R. Reiter, Boulder, Colo.

Editorial Board:

R. F. Abbey, Jr., Arlington, Va.

L. Bengtsson, Reading

D. W. Beran, Boulder, Colo.

J. E. Cermak, Fort Collins, Colo.

H. C. Davies, Zürich

H. Dolezalek, Alexandria, Va.

M. Hantel, Wien

G. J. Holland, Melbourne, Vic.

K.-Y. Kondratyev, Leningrad

T. N. Krishnamurti, Tallahassee, Fla.

M. Kuhn, Innsbruck

K.-N. Liou, Salt Lake City, Utah

T. Nitta, Tokyo

H. Pichler, Innsbruck

D. E. Stevens, Fort Collins, Colo.

Editorial Assistant: Ch. Bernhofer, Wien

The exclusive copyright for all languages and countries, including the right for photomechanical and any other reproductions including microform is transferred to the publisher

© 1991 by Springer-Verlag/Wien

Vol. 45, 1991

Brill, K. F., Uccellini, L. W., Manobianco, J., Kocin, P. J., Homan, J. H., The Use of Successive Dynamic Initialization by Nudging to Simulate Cyclogenesis During GALE IOP 1	15	Haque, M. A., Lal, M., Diagnosis of Satellite-Derived Outgoing Long Wave Radiation in Relation to Rainfall in India	1
Buzzi, A., Fantini, M., Lippolis, G., Quasi-Stationary Organized Convection in the Presence of an Inversion near the Surface: Experiments with a 2-D Numerical Model	75	Jacovides, C. P., Lalas, D. P., The Effect of Moist Layer Location on the Stability of Trapped Gravity Waves in an Almost Saturated Atmosphere	65
Dalezios, N. R., Papamanolis, N. K., Objective Assessment of Instability Indices for Operational Hail Forecasting in Greece	87	Kambezidis, H. D., Paliatsos, A. G., A Note on Smoke Concentration Prediction in Athens, Greece	181
Dalezios, N. R., Sioutas, M. V., Karacostas, T. S., A Systematic Hailpad Calibration Procedure for Operational Hail Suppression in Greece	101	McHall, Y. L., Available Equivalent Potential Energy in Moist Atmospheres	113
Grotjahn, R., Sy-Shiann Lai, Nonlinear Impacts upon Frontal Cyclones from Dipole Surface Temperature Anomalies	159	Manobianco, J., Uccellini, L. W., Brill, K. F., Kocin, P. J., Contrasting the Impact of Dynamic Data Assimilation on the Numerical Simulations on Cyclogenesis During GALE IOP 10 and IOP 1	41
		Ross, R. S., Energetics of African Wave Disturbances Derived from the FSU Global Spectral Model	139
		Ulbrich, U., Speth, P., The Global Energy Cycle of Stationary and Transient Atmospheric Waves: Results from ECMWF Analyses	125